		Exploring the E	extreme
		2003 Scien	ice
		Content Stan	dards
New Mexico Science	<b>e</b>		
Grade K			
Activity/Lesson	State	Standards	
Finding the Center of			Use observation and questioning skills in science inquiry (e.g., What happens when
Gravity Using Rulers		SCI.K.I.I.I.1	something is pushed or pulled?).
Crainly Comignitions			Ask and answer questions about
Finding the Center of			surroundings and share findings with
Gravity Using Rulers		SCI.K.I.I.I.2	classmates.
, ,			
	1	Exploring the E	extreme
		2003 Scien	
		Content Stan	dards
New Mexico Science	е		
Grade 1			
Activity/Lesson	State	Standards	
			Make observations, develop simple
			questions, and make comparisons of familiar
Finding the Center of			situations (e.g., What does the seed look like
Gravity Using Rulers	NM	SCI.1.I.I.1	when it starts to grow?).
Finding the Center of		001411114	Know that simple investigations do not
Gravity Using Rulers	INIVI	SCI.1.I.II.1	always turn out as planned.
		Exploring the E	Tytreme
		2003 Scien	
		Content Stan	
New Mexico Science	e		
Grade 2			
Activity/Lesson	State	Standards	
Finding the Center of			Follow simple instructions for a scientific
Gravity Using Rulers	NM	SCI.2.I.I.I.4	investigation.
Finding the Center of		001011110	Make accurate observations and
Gravity Using Rulers	NM	SCI.2.I.I.II.2	communicate findings about investigations.
		Evalering the F	ivtromo
		Exploring the E 2003 Scien	
		Content Stan	
New Mexico Science	<b>a</b>	Content Stan	uai us
Grade 3			
Activity/Lesson	State	Standards	
, istivity/E000011		- Curidal do	Understand that predictions are based on
Finding the Center of			observations, measurements, and cause-
Gravity Using Rulers		SCI.3.I.I.II.2	and-effect relationships.
Finding the Center of			Understand that predictions are based on
Gravity Using Plumb			observations, measurements, and cause-
Lines	NM	SCI.3.I.I.II.2	and-effect relationships.

Changing the Cente	r l		
of Gravity Using	'		Collect data in an investigation and analyze
Moment Arms	NM	SCI.3.I.I.I.4	those data.
WOMON AND	1 1111	001.0.11.11.1	triodo data.
		Exploring the E	Extreme
		2003 Scier	
		Content Stan	
New Mexico Science	e		
Grade 4			
Activity/Lesson	State	Standards	
			Communicate ideas and present findings
Finding the Center of	f		about scientific investigations that are open
Gravity Using Rulers		SCI.4.I.II.1	to critique from others.
Finding the Center of			Communicate ideas and present findings
Gravity Using Plumb			about scientific investigations that are open
Lines	NM	SCI.4.I.I.II.1	to critique from others.
Changing the Cente			Communicate ideas and present findings
of Gravity Using			about scientific investigations that are open
Moment Arms	NM	SCI.4.I.I.II.1	to critique from others.
Woment Anns	INIVI	301.4.1.1.11.1	to chilque from others.
		Exploring the E	- Vtreme
		2003 Scier	
		Content Stan	
New Mexico Science	:e		
Grade 5	<u> </u>		
Activity/Lesson	State	Standards	
Addivity/E000011	Otate	Otaridards	Plan and conduct investigations, including
			formulating testable questions, making
			systematic observations, developing logical
Jet Propulsion	NM	SCI.5.I.I.I.1	conclusions, and communicating findings.
Jet Propulsion	INIVI	301.3.1.1.1	Make predictions based on analyses of data,
Let Drenulaion	NM	SCI.5.I.I.III.3	
Jet Propulsion	INIVI	301.3.1.1.111.3	observations, and explanations.
			Plan and conduct investigations, including
			formulating testable questions, making
		201 - 111 4	systematic observations, developing logical
Vectoring	NM	SCI.5.I.I.I.1	conclusions, and communicating findings.
			Make predictions based on analyses of data,
Vectoring	NM	SCI.5.I.I.III.3	observations, and explanations.
		Exploring the E	
		2003 Scien	
Nicos Maria Carl		Content Stan	dards
New Mexico Science	ce 		
Grade 6	01-1-	04.5 1 1	
Activity/Lesson	State	Standards	Understand that estantific investigations
			Understand that scientific investigations use
			common processes that include the
			collection of relevant data and observations,
			accurate measurements, the identification
			and control of variables, and logical
			reasoning to formulate hypotheses and
Jet Propulsion	NM	SCI.6.I.I.II.2	explanations.

			Justify predictions and conclusions based on
Vectoring	NM	SCI.6.I.I.I.3	data.
v ootorii ig		00	Understand that scientific investigations use
			common processes that include the
			collection of relevant data and observations,
			accurate measurements, the identification
			and control of variables, and logical
			reasoning to formulate hypotheses and
Vectoring	NM	SCI.6.I.I.II.2	explanations.
Vectoring	INIVI	301.0.1.1.11.2	Understand that scientific investigations use
			common processes that include the
			collection of relevant data and observations,
			accurate measurements, the identification
			and control of variables, and logical
Center of Gravity,			reasoning to formulate hypotheses and
Pitch, Yaw	NM	SCI.6.I.I.II.2	explanations.
i itori, raw	INIVI	301.0.1.1.11.2	explanations.
		Exploring the E	xtreme
		2003 Scien	
		Content Stand	dards
New Mexico Scien	се		
Grade 7			
Activity/Lesson	State	Standards	
			Use models to explain the relationships
Jet Propulsion	NM	SCI.7.I.I.I.2	between variables being investigated.
lot Propulaion	NM	SCI.7.I.I.II.3	Analyze and evaluate ecientific evaluations
Jet Propulsion	INIVI	301.7.1.1.11.3	Analyze and evaluate scientific explanations.  Select and use an appropriate model to
Jet Propulsion	NM	SCI.7.I.I.III.3	examine a phenomenon.
Jet F Topulsion	INIVI	301.7.1.1.111.3	Critique procedures used to investigate a
Vectoring	NM	SCI.7.I.I.II.2	hypothesis.
Vectoring	INIVI	301.7.1.1.11.2	hypothesis.
Vectoring	NM	SCI.7.I.I.II.3	Analyze and evaluate scientific explanations.
Center of Gravity,			Use models to explain the relationships
Pitch, Yaw	NM	SCI.7.I.I.I.2	between variables being investigated.
Fuel Efficiency	NM	SCI.7.I.I.II.3	Analyze and evaluate scientific explanations.
		Eventania e de c	vérene
		Exploring the E 2003 Scien	
		Content Stand	
New Mexico Scien	ce	Content Stant	Maius
Grade 8			
Activity/Lesson	State	Standards	
Jet Propulsion	NM	SCI.8.I.I.III.2	Create models to describe phenomena.
223. 10001011	1		Know that scientific knowledge is built on
			questions posed as testable hypotheses,
			which are tested until the results are
Vectoring	NM	SCI.8.I.I.II.3	accepted by peers.
	1	001.0.1.11.10	2000ptod 0) pooto.

			Use mathematical expressions and
			techniques to explain data and observations
			and to communicate findings (e.g., formulas
			and equations, significant figures, graphing,
Fuel Efficiency	NM	SCI.8.I.I.III.1	sampling, estimation, mean).